

PRODUCT SPECIFICATION SHEET



Lactophenol Cotton Blue (SI020)

Use

Lactophenol Cotton Blue is used as a staining solution for fungi.

Principle

Lactophenol Cotton Blue reagent is used for staining as well as for wet mounting of fungi. Lactic acid preserves the fungal structure and clears the tissue while phenol acts as a disinfectant.

Formulation

Sr No.	Items/Ingredients	Gram/Litre
1.	Phenol crystals	20.0
2.	Cotton blue	0.050
3.	Lactic acid	20.0
4.	Glycerol	20.0
5.	Distilled water	20.0

Storage And Stability

1. Store the bottle in dry, cool and dark place.
2. The shelf life of reagents is as per the expiry date mentioned on the reagent bottle labels.

Procedure

1. The stain imparts a blue colouration on hyphae when placed a drop of Lactophenol Cotton Blue reagent on a clean and dry slide.
2. By using a nichrome inoculating wire, carefully tease the fungal culture into a thin preparation.
3. Place a coverslip on the preparation.
4. Wait for about 5 minutes.
5. Observe first under microscope with low power for screening in low intensity

PRECAUTIONS

1. For In-vitro Diagnostic use only
2. Overheating of organisms during fixing process may disintegrate organisms on the smear.
3. Decolourising process timing depends upon the thickness of smear and adequate allowance should be given depending upon the tube of the specimen.
4. Product to be used only by adequately trained and qualified laboratory personnel.

QUALITY CONTROL

Appearance: Ink blue coloured solution.

Microscopic Examination

Fungal staining is carried out. Fungal Spores and hyphae are observed under microscope using high power (40X) objective lens after staining with Lactophenol cotton blue.

Packaging

Product Name : **Lactophenol Cotton Blue**

Product Code : **SI020**

Available Pack sizes : **500ml/100ml**

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Further Information

For further information please contact your local MICROMASTER Representative.



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